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In the Claims

Please amend the Claims as follows:

49. (seven times amended) A power sharing system in a DC load environment comprising:

a primary source of AC;

an alternative primary source of DC;

a secondary source of DC;

K1
a power controller capable of inputting voltage regulated DC power simultaneously from said primary sources, said alternative primary source of DC making a shared contribution of power selected by said power controller, and having a power junction means for delivering a ~~a constant~~ regulated voltage DC to at least one DC compatible load at an output of said power sharing system;

said power controller controlling supply side power sharing ~~at to~~ a DC load side;

said power controller having a converter converting AC inputted electrical power into a defined DC-regulated voltage to provide and manage power to said DC compatible load;

said power controller producing ~~inputting~~ outputting voltage regulated power ~~effecting~~ controlling response of said alternative primary source of DC power;

said secondary source of DC being a storage battery to supply power in the event of a failure in a primary source of power, said power controller charging and maintaining said battery in a ~~fully charged condition~~ state of charge, and,

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said power controller biasing capable of altering the output voltage of said power junction means for ~~drawing~~ directing power from said secondary ~~source~~ sources of DC power to limit peak power supplied from said primary source of AC power to said at least one DC compatible load in accordance with a pre-set threshold of power from said primary source of AC power in order to ~~reduce~~ minimize peak power surcharges.

50. (three times amended) The power system of Claim 49 wherein said DC compatible load is a lighting system.

51. (four times amended) The power system of Claim 49 wherein said alternative primary source of DC power is a an energy storage medium.

52. (four times amended) The power system of Claim 49 wherein said alternative primary source of DC is a photo voltaic energy source.

53. (three times amended) The power system of Claim 49 wherein said alternative primary source of DC is a cogenerator.

54. (four times amended) The power system of Claim 49 wherein said alternative primary source of DC is a wind energy electric energy conversion system.

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K2
56. (four times amended) The power system as in Claim 49 in which said power controller ~~has~~ contains circuitry for combining power from said alternative primary source of DC and said battery in the absence of power from said primary source of AC.

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113 16. (twice amended) A power control for use in a high efficiency lighting system for maintaining normal lighting conditions by through lighting fixtures requiring DC electrical power comprising;

K3
an AC connection for receiving AC electrical power from a grid source and an output connection for delivering required DC electrical power to said lighting fixtures;
a power controller capable of ~~inputting~~ converting and outputting voltage regulated DC power simultaneously from said AC primary ~~sources~~ source, said alternative sources of DC energy making a shared contribution of power selected by said power controller, said differential voltage shared among said power sources influencing an amount of energy coming from each respective source directed to at least one DC load; and said power controller having a power junction means for delivering a constant voltage DC to at least one DC compatible load at an output of said power sharing system;
said power controller voltage influencing the proportion of energy coming from the multiple sources to each said DC the-GB load controlling supply side power sharing at a DC load side;

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*K31
control*

said power controller producing ~~inputting~~ regulated output voltage regulated
power affecting response of said the amount of said alternative primary source of DC
power reaching each said the load;

a converter converting said AC electrical power to DC electrical power;

a connection for a storage battery for providing to provide standby energy to the
DC load on a standby basis said required DC voltage electrical power to said power
control means; and,

said battery connection being connected to said AC and DC converter for
maintaining said a connected storage connected battery in a fully charged condition at a
desired state of charge and its discharge, when AC power is connected to the AC
connection during normal supply of AC electrical power from said grid source; and

said power ~~control~~ controller delivering said required DC electrical power from
said battery means to said lighting fixtures during an AC electrical power outage to
maintain without interruption normal lighting by said lighting fixtures.
